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MONTANA OIL AND GAS
STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XIX, No. 9 — 4 — SEPTEMBER, 1971

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1971 averaged 93,579 barrels daily, an increase of 263 barrels from the average August, 1971 production of 93,316.

The nine refineries in the state processed 133,840 barrels of crude oil daily for the month of September, 1971, a decrease of 3,288 barrels from the 137,128 barrels processed daily during the month of Augrst, 1971.

During September, 53 wells were completed, 4 oil, 10 gas and 39 dry holes.

During September the commission issued 76 permits to drill new wells, an increase of 27 from the 49 permits issued during August.

SUMMARY OF CRUDE PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1971

IN STORAGE SEPTEMBER 1st	
By Producers	294,799
By Transporters	1,282,087
By Refiners	849,168
TOTAL STORAGE	2,426,054
Produced in Montana During Month	2,807,368
Imported During Month	3,316,329
TOTAL	8,549,751
DISPOSITION:	
Refined in Montana	4,015,203
Exported	2,206,303
Used for Fuel or Lost	2,492
TOTAL	6,223,998
IN STORAGE SEPTEMBER 30th	
By Producers	277,690
By Transporters	1,265,123
By Refiners	782,940
TOTAL STORAGE	2,325,753

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1971

Field	M. C. Ft.
Bell Creek	201,623
Big Coulee	69,862
Blackjack	57,919
Bowdoin	78,835
Bowes	— 0 —
Cabin Creek	95,269
Cedar Creek	79,687
Cut Bank (including Regan)	827,606
Dry Creek	14,244
Elk Basin	63,250
Flat Coulee	15,419
Gold Butte	3,701
Grandview	521
Hardin	3,174
Keith Block	74,871
Kevin Sunburst	26,365
Lake Basin	43,988
Middle Butte	3,052
Mt. Lilly	2,249
Pine	46,068
Plevna	1,535
Tiger Ridge—Squaw Coulee	77,512
Trail Creek	— 0 —
Utopia	— 0 —
Whitlash	100,836
Miscellaneous	133,034
TOTAL	2,020,620

Total Withdrawals for September, 1970 were 2,443,430.

PRODUCERS REPORT — MONTH OF SEPTEMBER, 1971

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Loss or Gain	Storage End of Month
3	Ash Creek	3	165	1,700		1,712	—	153
1	Bainville	1	1,870	3,686		2,878	—	2,678
2	Bannatyne	2		396	396			
—	Bascom		165				165	—
4	Bear's Den	5	2,523	790	1,241	200		1,872
42	Bell Creek	327	32,902	464,898	467,749		318	29,733
—	Benrud		49				—	49
2	Benrud East	2	1,604	10,708	10,894		—	1,418
1	Benrud Northeast	1	529	2,442	2,399		—	572
2	Berthelote	2	445	371	194		—	622
6	Big Wall	20	1,938	8,330	8,418			1,850
4	Blackfoot	5	1,356	1,951	1,903			1,404
5	Border	6	2,796	724		754	—	2,766
1	Bowes	50	2,091	12,354	12,458		—	1,987
1	Bradley	1	315	587	615		—	287
4	Brorson-Madison	4	1,261	3,699		4,063		897
6	Brorson-Red River	6	4,258	13,506		13,221	—	4,543
3	Brorson-Red River South	3	1,569	7,595		7,323	—	1,841
7	Brush Lake	7	1,259	38,472	38,578			1,153
2	Cabin Creek	92		283,109	283,109			
1	Canal	1	1,019	8,077		7,792	—	1,304
12	Cat Creek	57	2,745	16,264	8,418	7,852	—	2,739
1	Clark's Fork	1	86	134		174	—	46
1	Clark's Fork South	1	53	2,010		1,761		302
3	Conrad South	3	100	805	805			100
2	Cow Creek	2	170	1,673		1,431	—	412
1	Culbertson	1	276	1,357		1,395	—	238
2	Cupton	2	1,661	2,087		2,487	—	1,261
134	Cut Bank	866	48,497	447,538	446,735	402	27	48,871
—	Dean Dome		65				—	65
1	Deer Creek	1	543	1,290	1,404		—	429
1	Delphia	1	395	290		394	—	291
4	Devil's Basin	6	1,141	726	626		—	1,241
2	Dwyer	14	3,835	21,131	20,063			4,903
3	Elk Basin	51	819	138,714	138,633			900
5	Elk Basin Northwest	14	1,950	6,876	6,745		201	1,880
7	Fairview	11	10,034	41,557	26,904	15,959		8,728
2	Fertile Prairie	2	587	1,552		1,347	—	792
9	Flat Coulee	27	4,635	7,439	7,518			4,556
39	Flat Lake	53	4,797	46,218	46,974			4 011
6	Flat Lake South	6	1,197	9,302	9,104			1,395
1	Fort Gilbert	1	1,021	13,585	13,718			888
1	Frannie	1		2,550	2,550			
9	Fred & George Creek	32	2,999	29,382	28,575		—	3,806
1	Gage	1	100	143		181		62
3	Gas City	17	6,900	24,073	19,240	5,101	—	6,632
2	Girard	2	1,114	3,661		3,782		993
11	Glendive	15	2,960	26,451	27,845		—	1,566
27	Goose Lake	34	4,807	35,536	34,506			5.837
9	Graben Coulee	17	3,683	3,703	1,474	1,803		4,109
3	Gypsy Basin	4	944	563	563			944
1	Hay Creek-Mission Canyon	1	116	1,469	1,484			101
2	Hay Creek-Red River	2	1,043	14,498	14,547			994
5	Hiawatha	5	2,790	7,271	7,346			2,715
1	Hibbard	1	842	536		610		768
1	Iniun Creek	1	661	300		300	—	661
6	Ivanhoe	12	2,392	4,848	5,411			1,829
5	Jim Coulee	5	1,096	17,017	15,796			2,317
4	Keg Coulee	18	3,582	10,301	10,424			3,459
2	Keg Coulee North	2	484	527	439			572
1	Kelley	4	662	4,645	4,860			447
72	Kevin Sunburst	402	6,338	24,130	18,650	5,680		6,138
8	Laird Creek	10	518	3,674		3,536	2	654
3	Leary	3	1,363	4,605	4,005	818		1,145
1	Little Beaver	23		33 145	33,145			
2	Little Beaver East •	12	2,001	13,571	13,247			2,325
1	Little Wall Creek	1	402	3 849	3,596			655
1	Lodge Grass	1	307	839		606		540
2	Lonetree Creek	2	1,148	26,522		26,376		1.294
3	Lookout Butte (Coral Creek)	31	901	70,346	70,687			560
2	Mason Lake	2	409	583	360			632
2	Melstone	3	720	1,850	2,030			540
1	Mineral Bench	1	340	111	321			130
1	Miner's Coulee	1	107	253		253		107
11	Monarch	14	4,726	16,523	12,609	3,868		4,772
3	Mosser	3		529		529		
2	Otis Creek	2	402	5,054		5,041		415
6	Outlook	8	6,109	23,281	25,328			4,062
1	Outlook South	1	1,200	901	1,416			685
2	Outlook West	2	1,557	2,828	2,983			1,402
1	Pennel-Lookout Butte	112		144,259	144,259			
4	Pine	132	17,080	238 278	239,023			16.235
65	Pondera	266	4,782	24,304	25,485			3,601
8	Poplar	65	10,183	48,532	50,452		177	8,685
2	Poplar Northwest	2	1,921	1,385	2,008			1,298
—	Prairie Elk		1,535					1,535
3	Pritchard Creek	3	167	1,045	1,045			167
4	Ragged Point	11	3,090	4,686	5,125			2.651
2	Rattlesnake Coulee	2	861	458	600			719
2	Reagan	42	383	18.156	18,141			398
1	Red Creek	20		15,563	15,563			
1	Red Fox	1	197	807	878			126
1	Redstone	1	332	2,084	2,103			313
1	Repeat	1	60	1.642		1,462		240
5	Reserve	5		9,437	9,437			
1	Richey	1	268	593	428			431
1	Richey Southwest	1	520	2,909	2,901			528
—	Rough Creek		266					266
1	Rush Mountain	1	259	2,755	2,513			501
2	Salt Lake	3	232	4,154		3,917		469
5	Sand Creek	8	2,296	4,367	6,153			510
—	Shotgun Creek		248					248
1	Snyder	1	368	868		900		336
7	Soap Creek	18	2,253	5.156		5,257		2,152
1	Spring Lake	2	1,955	2,243		3,100		1,098
1	Stensvad	1	2,336	33.798	33,106			3,028
12	Sumatra	73	4,247	70,856	71,518			3.585
5	Tule Creek	6	2,892	26,288		25,603		3,577
2	Tule Creek East	2	367	8,147		8,207		307
2	Tule Creek South	3	1,091	3,553		4,103	25	516
2	Vida	2	838	1,331		1,842		327
3	Volt	4	2,226	11,104	11,649			1,681
2	Weed Creek	3	554	2,483	2,576		6	455
3	Weldon	6	747	12,798	12,502			1,043
1	West Butte	1		2,391		2,391		
17	Whitlash	41	8,396	10,622	11,076			7,942
1	Whitlash West	1	616	178	206			588
4	Willow Creek North	4	1,081	3,864	4,131			814
2	Wills Creek South	2		3,268	3,268			
6	Wolf Springs	9	2,531	4,564	4,209			2,886
2	Woodrow	2	161	1,626	1,470			317
5	Wright Creek	5	2,506	2,501	2,488			2,519
—	Wildcat, Blaine Cty		157				—	157
—	Wildcat, Carbon Cty		310				—	310
1	Wildcat, Daniels Cty	1	411	1,097		1,310		198
4	Wildcat, Fallon Cty	4	1,768	11,185		11,872		1,081
3	Wildcat, Glacier Cty	5	1,639	903	1,724			818
1	Wildcat, Liberty Cty	1	373	23				396
3	Wildcat, Richland Cty	3	850	14,056		13,386		1,520
1	Wildcat, Roosevelt Cty	1	1,002	2,632		3,094		540
1	Wildcat, Toole Cty	1		408	408			
754	TOTAL	3,233	294,799	2,807,368	2,605,483	216,073	921	279,690

Total Oil Produced & Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1970	37,878,697	103,777	37,825,275	103,705
First Quarter, 1971	8,927,663	99,196	8,923,130	99,146
Second Quarter, 1971	8,684,548	95,435	8,715,304	95,773
July, 1971	2,889,099	93,197	2,892,873	93,318
August, 1971	2,892,809	93,316	2,888,863	93,189
September, 1971	2,807,368	93,579	2,821,556	94,052

Oil In Storage	In Producers Field Tanks	In Transporters Storgae	In Refiners Storage ‡	Total Oil in Storage ‡
December, 1970	336,076	1,501,692	1,002,035	2,839,803
March, 1971	334,585	1,128,200	766,138	2,228,923
July, 1971	300,381	1,375,187	1,097,959	2,773,527
July, 1971	293,971	1,348,963	944,105	2,587,039
August, 1971	294,799	1,282,087	849,168	2,426,054
September, 1971	277,690	1,265,123	782,940	2,325,753

• Montana Oil Only ‡ Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT — MONTH OF SEPTEMBER, 1971

	Storage First of Month	Oil Received By			Loss or (Gain)	Oil Shipped To			Storge End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—									
Western Crude Oil, Inc.			1,712				1,712		
BAINVILLE—									
Rock Island Oil & Ref. Co.			2,878				2,878		
BEAR'S DEN—Truck			200				200		
BELL CREEK—Pipeline	56,933	464,898					230,046	236,192	55,593
BIG WALL—									
Continental Pipeline Co.		8,418				8,418			
BLACKFOOT—									
Camerland Cardinal Corp.		1,903						1,903	
BORDER—Permian Corp.			754					754	
BOWES—Texaco Inc.		12,458				12,458			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			24,607					24,607	
BRUSH LAKE—									
Portal Pipeline Co.		38,556					38,556		
CABIN CREEK & OTHERS*—									
Butte Pipeline Co.	407,240	681,643	45,439	736,426			1,512,053		358,695
Shell Pipeline Co.	2,241	288,558			301			285,044	5,454
	409,481	970,201	45,439	736,426	301		1,512,053	285,044	364,149
CANAL—									
Rock Island Oil & Ref Co.			7,792				7,792		
CAT CREEK—									
Continental Pipeline Co. & Truck		8,418	7,852			16,270			
CLARK'S FORK AND CLARK'S FORK SOUTH—									
Permian Corp.			1,935				1,935		
COW CREEK—									
Western Crude Oil, Inc.			1,431				1,431		
CULBERTSON—									
Spruce Oil Co.			1,395				1,395		
CUT BANK—									
Continental Pipeline Co.			11,109	507,318				518,427	
Phillips Petroleum Co.	41,309	181,888		8,965	1,383	155,751		4,599	70,429
Texas Pipeline Co.	24,527	49,587		75,267	719			130,838	17,824
Union Oil Co.	41,508	59,029			(1,414)	22,985			78,966
Western Oil Trans. Co.		56,507						56,507	
Western Oil Trans. Co. (Moulton)		103,142						103,142	
	107,344	450,153	11,109	591,550	688	178,736		813,513	167,219
DELPHIA—Truck			394			394			
DWYER—Portal Pipeline Co.		20,063					20,063		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline		144,958				144,958			
FAIRVIEW—									
Fairview Pipeline Co.		26,904					26,904		
Rock Island Oil & Ref. Co.			15,959				15,959		
		26,904	15,959				42,863		
FLAT COULEE—									
Camerland Cardinal Corp.		8,552				8,552			
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		51,025					51,025		
FT. GILBERT—									
Fairview Pipeline Co.		13,718					13,718		
FRANNIE—Interstate Pipeline Co.		2,550					2,550		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	11,748	30,192				36,044			5,896
GAGE—Truck			181			181			
GIRARD—									
Rock Island Oil & Ref. Co.			3,782				3,782		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	4,628	26,192			147			24,324	6,349
GOOSE LAKE—									
Portal Pipeline Co.		30,742					30,742		
HAY CREEK—									
Fairview Pipeline Co.		16,031					16,031		
HIAWATHA—									
Continental Pipeline Co.		7,346					7,346		
HIBBARD—Truck			610			610			
INJUN CREEK—Permian Corp.			300				300		
IVANHOE—									
Continental Pipeline Co.		5,411				5,411			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		11,293				11,293			
KELLEY—									
Continental Oil Co.		4,860				4,860			
KEVIN SUNBURST—									
Big West Oil Co.	7,536	9,500				9,500			7,536
Homestake Oil & Gas Co.	2,423	2,215				828			3,810
Texas Pipeline Co.	6,369	9,167		3,978	93			13,193	6,228
	16,328	20,882		3,978	93	10,328		13,193	17,574
LEARY—Permian Corp.			818				818		
LODGE GRASS—Permian Corp.			606			606			
MASON LAKE—									
Continental Pipeline Co.		360				360			
MELSTONE—									
Continental Oil Co.		2,030				1,835	195		
MIDDLE WALL**—		19,609						19,609	
MOSSER—Permian Corp.			529				529		
OTIS CREEK—									
Western Crude Oil, Inc.			5,041				5,041		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		29,729					29,729		
PONOERA—									
Phillips Petroleum Co.	29,652	26,996			207	16,199			40,242
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	10,373	76,476			(258)			73,582 ‡	13,525
RAGGED POINT—									
Continental Pipeline Co.		5,125				5,125			
RED CREEK—									
Western Oil Transportation Co		15,563						15,563	
RESERVE—Portal Pipeline Co.		9,437					9,437		
RUSH MOUNTAIN—									
Sinclair Refining Co.		2,513					2,513		
SALT LAKE—									
Rock Island Oil & Ref. Co.			3,917				3,917		
SNYDER—Permian Corp.			900			900			
SOAP CREEK—Permian Corp.			5,257				5,257		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,100				3,100		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	632,086	104,651		2,192,977	(1,251)	91,217		2,251,061	588,687
TULE CREEK—									
Spruce Oil Co.	3,514		33,974			31,599			5,889
Permian Corp.			3,939			3,939			
	3,514		37,913			35,538			5,889
WEED CREEK & WOLF SPRINGS									
Continental Pipeline Co.		6,785				6,785			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		12,108				8,875		3,233	
WILDCAT WELLS—Truck			29,662				29,662		
TOTAL	1,282,087	2,687,106	216,073	3,524,931	(73)	605,953	2,076,616	3,762,578	1,265,123

* Cabin Creek, Clipton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South
** Jim Coulee, Little Wall Creek and Willow Creek North
‡ Transferred to Butte Pipeline Company

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1971

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Spruce Oil Co.	Westco Ref. Co.	Total
Big Wall		8,418								8,418
Bowes			44,466							44,466
Cat Creek		311		16,739		312				17,362
Cut Bank							141,795		52,548	194,343
Delphia						69				69
Elk Basin		54,529		46,944	43,485					144,958
Flat Coulee									8,552	8,552
Fred & George Creek	36,044									36,044
Gage & Gage Southwest						6				6
Hibbard						91				91
Ivanhoe		5,411								5,411
Keg Coulee		1,939		8,924						10,863
Kelley					4,860					4,860
Kevin Sunburst	10,328									10,328
Lodge Grass		606								606
Mason Lake		360								360
Melstone				1,835						1,835
Pondera							19,029			19,029
Ragged Point				5,125						5,125
Snyder		900								900
Sumatra & Stensvad		17,958		73,259	10,592					101,809
Tule Creek								67,688		67,688
Weed Creek					2,576					2,576
Whitlash							8,966			8,966
Wolf Springs					4,209					4,209
Total Montana Oil	46,372	90,432	44,466	152,826	65,722	478	169,790	67,688	61,100	698,874
Canadian Oil Imported		479,303		446,452	321,788					1,247,543
Wyoming Oil Imported		771,827		345,746	951,213					2,068,786
Total Montana, Canadian and Wyoming Oil	46,372	1,341,562	44,466	945,024	1,338.723	478	169,790	67,688	61,100	4,015,203

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1970	24,878	25,744	65,351	115,973
September, 1970	34,159	43,274	60,101	137,534
September, 1971	23,296	41,584	68,960	133,840

PERCENTAGE OL CRUDE OIL REFINED

Montana	Canada	Wyoming
21.45%	22.20%	56.35%
24.84%	31.46%	43.70%
17.41%	31.07%	51.52%